10/518,543

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	199	548/539.icls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L2	390	548/539.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L3	554	548/557.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L4	339	548/566.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L5	341	548/571.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L6	408	548/578.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L7	365	548/406.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L8	10	l1 and l3	US-PGPUB; USPAT	OR	ON	2006/04/09 11:22
L9	2	l1 and l4	US-PGPUB; USPAT	OR	ON	2006/04/09 11:23
L10	4	l1 and l5	US-PGPUB; USPAT	OR	ON	2006/04/09 11:24
L11	4	l1 and l6	US-PGPUB; USPAT	OR	ON	2006/04/09 11:39
L12	6	l1 and l7	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L13	3146	546/208.cc.s.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L14	1217	546/208.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L15	1	l14 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:22
L16	2346	514/422	US-PGPUB; USPAT	OR	ON	2006/04/09 11:39
L17	2292	514/423	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L18	88	514/433	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L19	0	514/433.ccls	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L20	80	514/433.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L21	682	514/333.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40

EAST Search History

L22	2230	514/326.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:41
L23	350	514/426.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:41
L24	3	l16 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:44
L25	6	l17 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L26	0	l20 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L27	2	l21 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L28	1	l22 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L29	6	l23 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L30	25	l16 and l1	US-PGPUB; USPAT	OR	ON	2006/04/09 11:44

10/518,543 YONG CHU 4-9-2006

$%^STN;HighlightOn=;**HighlightOff=**;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 12	FEB 22	Status of current WO (PCT) information on STN
NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 19	MAR 01	INSPEC reloaded and enhanced
NEWS 20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21	MAR 08	X.25 communication option no longer available after June 2006
NEWS 22	MAR 22	EMBASE is now updated on a daily basis
NEWS 23	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 24	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 25	APR 04	STN AnaVist $500 visualization usage credit offered

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:31:21 ON 09 APR 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:31:26 ON 09 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 APR 2006 HIGHEST RN 879544-24-8
DICTIONARY FILE UPDATES: 6 APR 2006 HIGHEST RN 879544-24-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

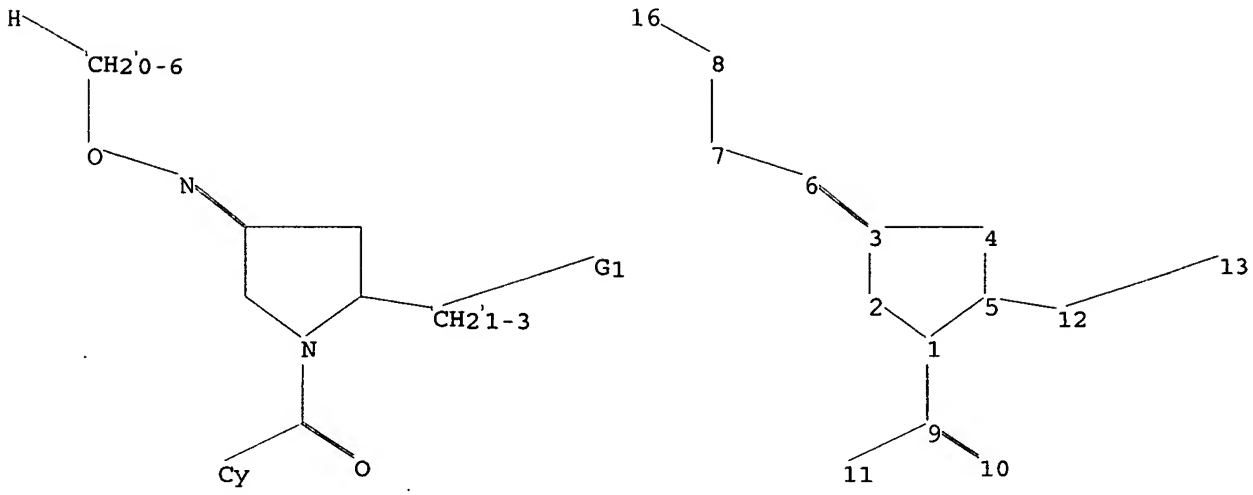
****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10518543\10518543.str



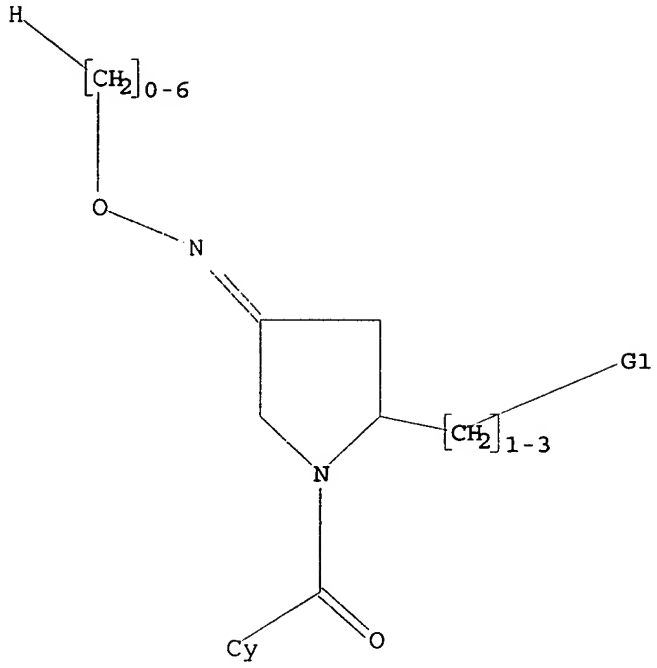
chain nodes :
6 7 8 9 10 11 12 13 16
ring nodes :
1 2 3 4 5
chain bonds :
1-9 3-6 5-12 6-7 7-8 8-16 9-10 9-11 12-13
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-9 2-3 3-4 3-6 4-5 6-7 9-10 9-11 12-13
exact bonds :
5-12 7-8 8-16

G1:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:CLASS 13:CLASS 16:CLASS
Generic attributes :
11:
Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 10:31:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       40 TO ITERATE

100.0% PROCESSED       40 ITERATIONS                                 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          421 TO     1179
PROJECTED ANSWERS:               2 TO      124

L2             2 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 10:31:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      871 TO ITERATE

100.0% PROCESSED      871 ITERATIONS                                18 ANSWERS
SEARCH TIME: 00.00.01

L3            18 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   166.94     167.15

FILE 'CAPLUS' ENTERED AT 10:32:04 ON 09 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 9 Apr 2006 VOL 144 ISS 16
FILE LAST UPDATED: 7 Apr 2006 (20060407/ED)

=> s l3
L4 2 L3

=> d ibib abs hitstr tot

not DP / Not into US / Assignee

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:977015 CAPLUS
DOCUMENT NUMBER: 143:267237
TITLE: Method for preparing pyrrolidine oximes
INVENTOR(S): Nadler, William; Pupowicz, Doris
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N. V., Neth. Antilles
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

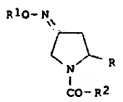
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082848	A2	20050909	WO 2005-EP50852	20050228
WO 2005082848	A3	20051201		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2004-100773 A 20040226

OTHER SOURCE(S): MARPAT 143:267237
GI



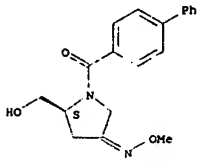
I

AB The invention relates to the synthesis of pyrrolidine oximes I [R is (un)substituted 3- or 5-oxadiazolyl, a carbamoyl group or (CH2)1-3-X-R3, where X is O or an imino group and R3 is H, alkyl, alkylaryl, alkylheteroaryl, aryl or heteroaryl; R1 is H or alkyl; R2 is aryl, heteroaryl, cycloalkyl or cycloalkenyl], which are useful in the treatment and/or prevention of preterm labor, premature birth and dysmenorrhea. Thus, (2S)-I (R = CH2CHPhOH, R1 = Me, R2 = 2'-methyl-1,1-biphenyl-4-yl) was prepared from 4-hydroxy-L-proline by acylation with 2'-methyl-1,1-biphenyl-4-carbonyl chloride, oxidation with pyridine-sulfur trioxide complex, oximation with H2NOMe.HCl, and amidation with 2-amino-1-phenylethanol.

IT 643001-53-0P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Preparation)
(method for prepg. pyrrolidine oximes)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



Current application

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:41436 CAPLUS
DOCUMENT NUMBER: 140:93917
TITLE: Preparation of pyrrolidine derivatives as oxytocin antagonists
INVENTOR(S): Jorand-Lebrun, Catherine; Dorbais, Jerome; Quattropani, Anna; Schwarz, Matthias; Valognes, Delphine
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth. Antilles
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005249	A1	20040115	WO 2003-EP50286	20030704

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

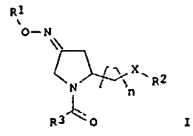
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2487532	AA	20040115	CA 2003-2487532	20030704
AU 2003254498	A1	20040123	AU 2003-254498	20030704
BR 2003012586	A	20050412	BR 2003-12586	20030704
EP 1532109	A1	20050525	EP 2003-762692	20030704
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1678576	A	20051005	CN 2003-820401	20030704
JP 2005533828	T2	20051110	JP 2004-518783	20030704
NO 2005000612	A	20050203	NO 2005-612	20050203
US 2006004020	A1	20060105	US 2005-518543	20050711

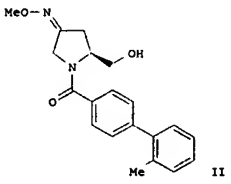
PRIORITY APPLN. INFO.: EP 2002-100784 A 20020705
WO 2003-EP50286 W 20030704

OTHER SOURCE(S): MARPAT 140:93917
GI

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I

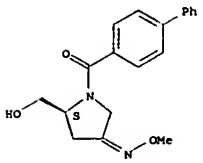


II

AB The title compds. I [R1 = H or alkyl; R2 = H, alkyl, (substituted)aryl, (substituted)heteroaryl, etc.; R3 = aryl or heteroaryl; X = O or (substituted)amino; n = 1-3] were prepared as oxytocin antagonists for the prevention and/or treatment of preterm labor, premature birth or dysmenorrhea. Thus, reaction of 1-tert-butyl-2-Me (2S)-4-(methoxyimino)-1,2-pyrrolidine-dicarboxylate (preparation given) with 2'-methyl[1,1'-biphenyl]-4-carboxylic acid followed by hydrolysis and reduction gave compound II. The latter inhibits oxytocin mediated Ca2+-mobilization with IC50 = 0.03 μM. Pharmaceutical compns. containing I are described.

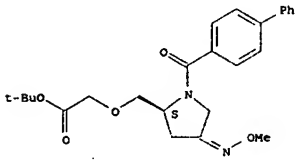
IT 643001-53-0P 643001-56-3P 643001-57-4P
643001-64-3P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



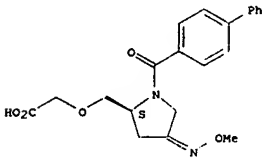
RN 643001-56-3 CAPLUS
CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



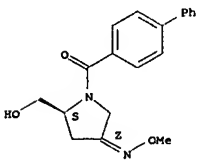
RN 643001-57-4 CAPLUS
CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



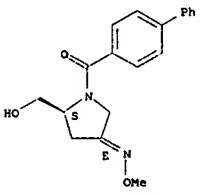
RN 643001-64-3 CAPLUS
CN 3-Pyrrolidinone, 5-(aminomethyl)-1-([1,1'-biphenyl]-4-ylcarbonyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



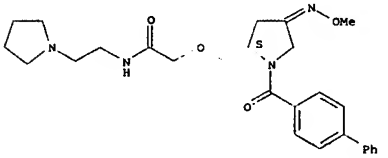
RN 643001-55-2 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3E,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

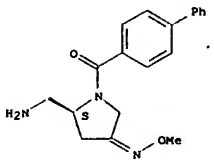


RN 643001-58-5 CAPLUS
CN Acetamide, 2-[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-N-[2-(1-pyrrolidinyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

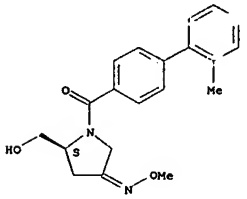


RN 643001-59-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(methoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)



IT 643001-52-9P 643001-54-1P 643001-55-2P
643001-58-5P 643001-59-6P 643001-61-0P
643001-62-1P 643001-65-4P 643001-67-6P
643001-69-8P 643001-70-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-52-9 CAPLUS
CN 3-Pyrrolidinone, 5-(hydroxymethyl)-1-[(2'-methyl[1,1'-biphenyl]-4-yl)carbonyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

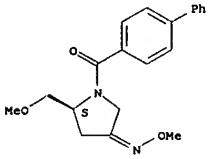
Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-54-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3Z,5S)- (9CI) (CA INDEX NAME)

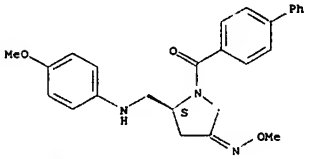
Absolute stereochemistry.
Double bond geometry as shown.

Absolute stereochemistry.
Double bond geometry unknown.



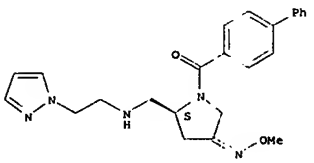
RN 643001-61-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[(4-methoxyphenyl)amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



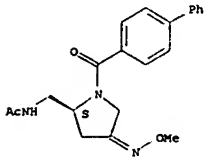
RN 643001-62-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[2-(1H-pyrazol-1-yl)ethyl]amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



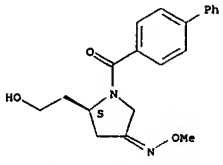
RN 643001-65-4 CAPLUS
CN Acetamide, N-[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



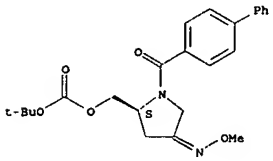
RN 643001-67-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(2-hydroxyethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

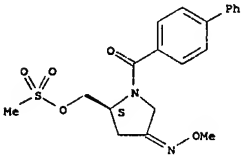


RN 643001-69-8 CAPLUS
CN Carbonic acid, [(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methyl 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

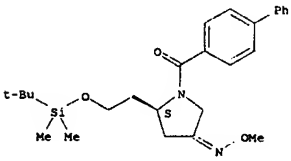


RN 643001-70-1 CAPLUS
CN 3-Pyrrolidinone,
1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[(carboxyoxy)methyl]-,



RN 643001-88-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

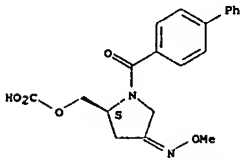


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

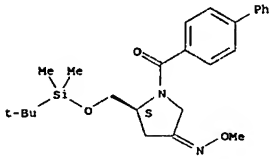
3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



IT 643001-75-6P 643001-76-7P 643001-88-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-75-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

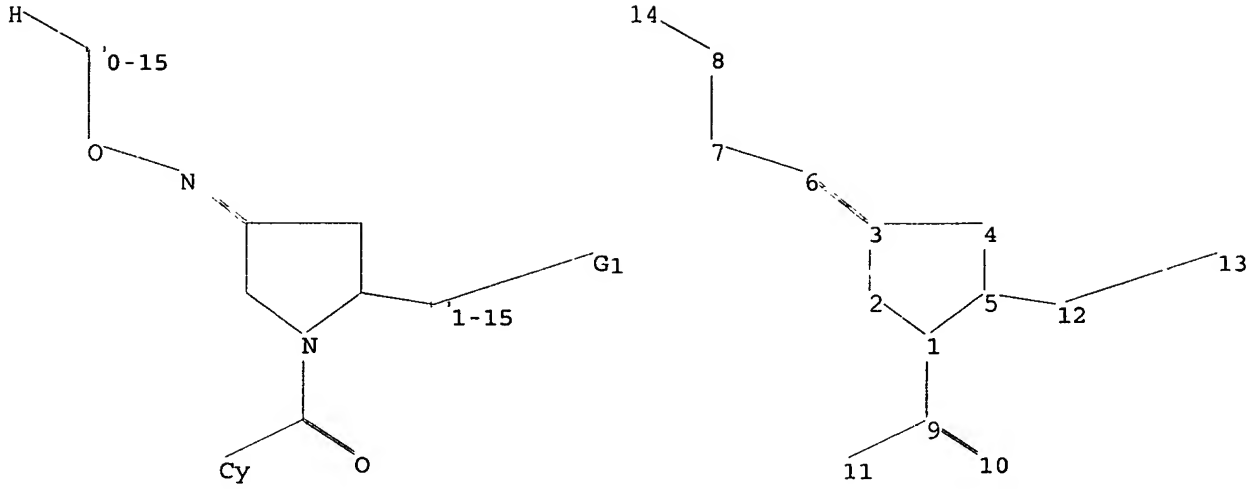
Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-76-7 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[(methylsulfonyl)oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

```
=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    12.98     180.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -1.50      -1.50

FILE 'REGISTRY' ENTERED AT 10:35:56 ON 09 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    6 APR 2006  HIGHEST RN 879544-24-8
DICTIONARY FILE UPDATES:   6 APR 2006  HIGHEST RN 879544-24-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10518543\10518543a.str
```



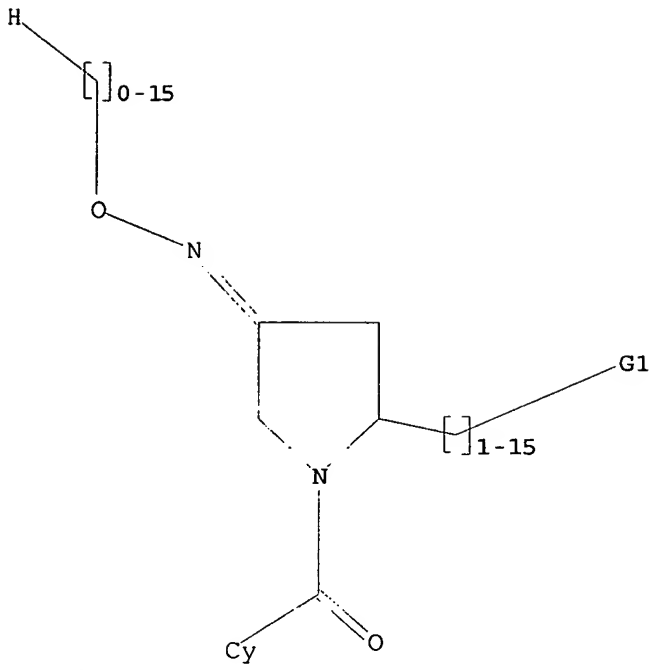
chain nodes :
6 7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5
chain bonds :
1-9 3-6 5-12 6-7 7-8 8-14 9-10 9-11 12-13
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-9 2-3 3-4 3-6 4-5 6-7 7-8 9-10 9-11 12-13
exact bonds :
5-12 8-14

G1:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:CLASS 13:CLASS 14:CLASS
Generic attributes :
11:
Saturation : Unsaturated

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

```
=> s l5
SAMPLE SEARCH INITIATED 10:36:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       40 TO ITERATE

100.0% PROCESSED       40 ITERATIONS                                10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          421 TO     1179
PROJECTED ANSWERS:              11 TO      389

L6            10 SEA SSS SAM L5

=> s l1 full
FULL SEARCH INITIATED 10:36:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      871 TO ITERATE

100.0% PROCESSED      871 ITERATIONS                                18 ANSWERS
SEARCH TIME: 00.00.01

L7            18 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   166.94     347.07
```

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.50

FILE 'CAPLUS' ENTERED AT 10:36:32 ON 09 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 Apr 2006 VOL 144 ISS 16
FILE LAST UPDATED: 7 Apr 2006 (20060407/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s l7
L8            2 L7

=> d ibib abs hitstr tot
```

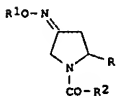
L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:977015 CAPLUS
DOCUMENT NUMBER: 143:267237
TITLE: Method for preparing pyrrolidine oximes
INVENTOR(S): Nadler, William; Pupowicz, Doris
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N. V., Neth. Antilles
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082848	A2	20050909	WO 2005-EP50852	20050228
WO 2005082848	A3	20051201		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2004-100773 A 20040226

OTHER SOURCE(S): MARPAT 143:267237
GI

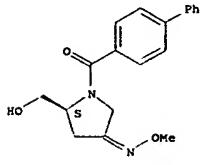


I

AB The invention relates to the synthesis of pyrrolidine oximes I [R is (un)substituted 3- or 5-oxadiazolyl, a carbamoyl group or (CH2)1-3-X-R3, where X is O or an imino group and R3 is H, alkyl, alkylaryl, alkylheteroaryl, aryl or heteroaryl; R1 is H or alkyl; R2 is aryl, heteroaryl, cycloalkyl or cycloalkenyl], which are useful in the treatment and/or prevention of preterm labor, premature birth and dysmenorrhea. Thus, (2S)-I (R = CH2CHPhOH, R1 = Me, R2 = 2'-methyl-1,1-biphenyl-4-yl) was prepared from 4-hydroxy-L-proline by acylation with 2'-methyl-1,1-biphenyl-4-carbonyl chloride, oxidation with pyridine-sulfur trioxide complex, oximation with H2NOMe.HCl, and amidation with 2-amino-1-phenylethanol.
IT **643001-53-0P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Preparation)
(method for prepg. pyrrolidine oximes)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:41436 CAPLUS
DOCUMENT NUMBER: 140:93917
TITLE: Preparation of pyrrolidine derivatives as oxytocin antagonists
INVENTOR(S): Jorand-Lebrun, Catherine; Dorbais, Jerome; Quattropani, Anna; Schwarz, Matthias; Valognes, Delphine
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth. Antilles
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005249	A1	20040115	WO 2003-EP50286	20030704

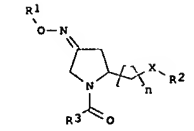
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2487532	AA	20040115	CA 2003-2487532	20030704
AU 2003254498	A1	20040123	AU 2003-254498	20030704
BR 2003012586	A	20050412	BR 2003-12586	20030704
EP 1532109	A1	20050525	EP 2003-762692	20030704
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1678576	A	20051005	CN 2003-820401	20030704
JP 2005533828	T2	20051110	JP 2004-518783	20030704
NO 2005000612	A	20050203	NO 2005-612	20050203
US 2006004020	A1	20060105	US 2005-518543	20050711

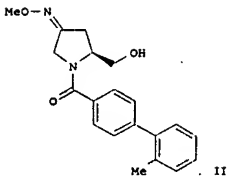
PRIORITY APPLN. INFO.: EP 2002-100784 A 20020705
WO 2003-EP50286 W 20030704

OTHER SOURCE(S): MARPAT 140:93917
GI

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



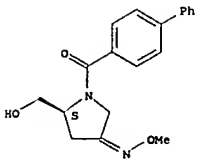
I



II

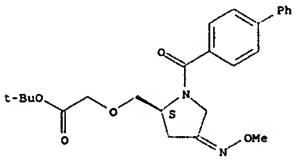
AB The title compds. I [R1 = H or alkyl; R2 = H, alkyl, (substituted)aryl, (substituted)heteroaryl, etc.; R3 = aryl or heteroaryl; X = O or (substituted)amino; n = 1-3] were prepared as oxytocin antagonists for the prevention and/or treatment of preterm labor, premature birth or dysmenorrhea. Thus, reaction of 1-tert-butyl-2-Me (2S)-4-(methoxyimino)-1,2-pyrrolidine-dicarboxylate (preparation given) with 2'-methyl[1,1'-biphenyl]-4-carboxylic acid followed by hydrolysis and reduction gave compound II. The latter inhibits oxytocin mediated Ca2+-mobilization with IC50 = 0.03 μM. Pharmaceutical compns. containing I are described.
IT **643001-53-0P 643001-56-3P 643001-57-4P**
643001-64-3P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



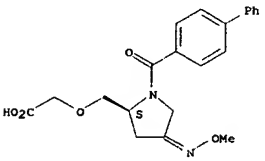
RN 643001-56-3 CAPLUS
CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



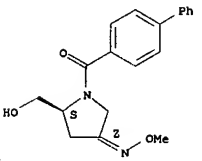
RN 643001-57-4 CAPLUS
CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



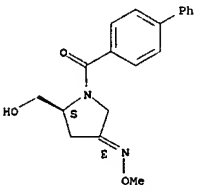
RN 643001-64-3 CAPLUS
CN 3-Pyrrolidinone, 5-(aminomethyl)-1-([1,1'-biphenyl]-4-ylcarbonyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



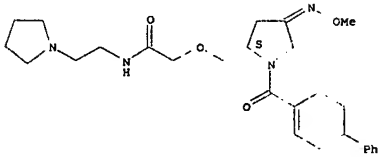
RN 643001-55-2 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3E,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

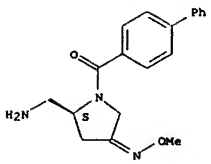


RN 643001-58-5 CAPLUS
CN Acetamide, 2-[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-N-[2-(1-pyrrolidinyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



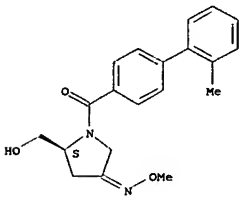
RN 643001-59-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(methoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)



IT **643001-52-9P 643001-54-1P 643001-55-2P**
643001-58-5P 643001-59-6P 643001-61-0P
643001-62-1P 643001-65-4P 643001-67-6P
643001-69-8P 643001-70-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrrolidine derivs. as oxytocin antagonists)

RN 643001-52-9 CAPLUS
CN 3-Pyrrolidinone, 5-(hydroxymethyl)-1-[(2'-methyl[1,1'-biphenyl]-4-yl)carbonyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

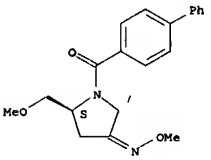
Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-54-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3Z,5S)- (9CI) (CA INDEX NAME)

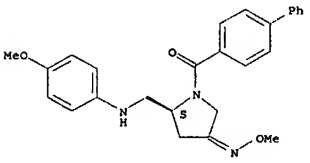
Absolute stereochemistry.
Double bond geometry as shown.

Absolute stereochemistry.
Double bond geometry unknown.



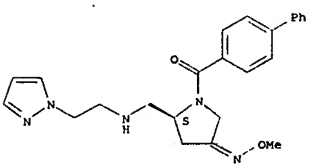
RN 643001-61-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[(4-methoxyphenyl)amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



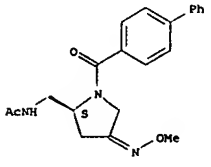
RN 643001-62-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[2-(1H-pyrazol-1-yl)ethyl]amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



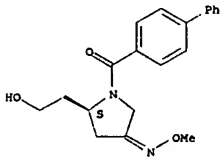
RN 643001-65-4 CAPLUS
CN Acetamide, N-[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl]-4-(methoxyimino)-2-pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



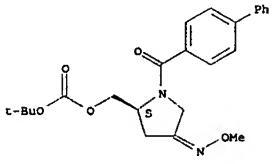
RN 643001-67-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(2-hydroxyethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

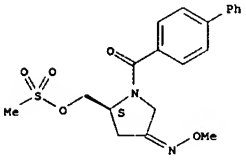


RN 643001-69-8 CAPLUS
CN Carbonic acid, [(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methyl 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

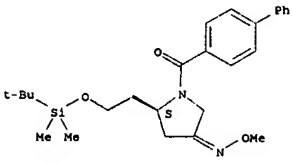


RN 643001-70-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[(carboxyoxy)methyl]-,



RN 643001-88-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

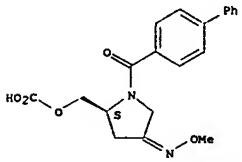


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

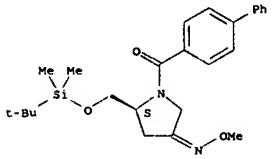
3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



IT 643001-75-6P 643001-76-7P 643001-88-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-75-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-76-7 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[(methylsulfonyl)oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.68	357.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-3.00

STN INTERNATIONAL LOGOFF AT 10:37:07 ON 09 APR 2006